| Index of Cla  | ims           | App  | licatio | on/Control No. | Applicant(s)/Patent und Reexamination |              |   |  |  |  |  |  |
|---|---------------|------|---------|----------------|---------------------------------------|--------------|---|--|--|--|--|--|
|   | NI            | 10/7 | 64,57   | 73             |                                       | YANG, WU-HAN |   |  |  |  |  |  |
|   |               |      | niner   |                |                                       | Art Unit     |   |  |  |  |  |  |
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| Claim | im Date       |        |          |          |    |         |              |         |          | $\neg$   | ſ        | Claim Date |       |          |          |  |            |              |                | $\neg$   | Г        | Cla      | aim      | Date     |       |            |          |                |              |              |          | _        |          |          |   |
| Final | _             | 15107  | 10/01    |          |    |         |              |         |          |          |          |            | Final | Original |          |  |            |              |                |          |          |          |          |          | Final | Original   |          |                |              |              |          |          |          |          | _ |
|       | )<br>)        | 4      | 1/6 1    | L        | L  | +       | $\downarrow$ | +       | 4        | 4        | $\dashv$ |            |       | 51       |          |  |            |              |                | _        | 1        | $\dashv$ | 4        | -        | _     | 101        | _        | -              | +            | $\downarrow$ | +        | 4        | _        | $\dashv$ |   |
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| 3     | $\overline{}$ | Ų<br>V | 11       | ļ.,      | ╀  | ╄       | +            | +       | 4        |          |          | - }        |       | 53<br>54 | <u> </u> | <u> </u>   | Ш          |              | $\sqcup$       |          | $\dashv$ | $\dashv$ | 4        | ŀ        | _     | 103        | -        |                | +            | +            | 4        | -        | $\dashv$ | $\dashv$ | _ |
| 5     |               | V,     | -1       | ⊢        | ╁  | +       | +            | +       | ┥        | $\dashv$ |          | -          |       | 55       | ⊢        | -  | -          |              | H              | $\dashv$ | $\dashv$ | ┰        | ᅱ        | ŀ        |       | 104        | $\dashv$ | +              | +            | +            | $\dashv$ | ┪        | +        | $\dashv$ | _ |
| 6     | -             | Ť      | 1 11     | ┝        | t  | ╁       | +            | ╅       | +        | 7        | -        |            |       | 56       | 1        | $\vdash$   | -          | -            | $\dashv$       | 7        | 寸        | 十        | ᅱ        | ŀ        |       | 106        | 十        | +              | $\dagger$    | +            | 7        | 7        | $\dashv$ | 十        | _ |
| 10    |               | V      | 1        |          |    | I       | T            | $\top$  |          |          |          |            |       | 57       |          |  |            |              |                |          | $\Box$   | コ        |          |          |       | 107        | 工        |                |              | 工            |          |          | $\Box$   | $\Box$   |   |
| 8     | 3 ]           | Y      |          |          | L  | $\perp$ | I            | $\perp$ | $\Box$   |          |          | I          |       | 58       |          |  |            |              |                |          | $\Box$   | $\Box$   | $\Box$   |          |       | 108        | _ _      |                |              |              |          |          |          | $\Box$   | _ |
| 9     | 1             |        | 3        | L        | ╀  | 1       | 4            | 4       | 4        | _        | _        |            |       | 59       | _        |  | _          |              |                | _        | _        | _        | _        | F        |       | 109        | $\dashv$ | -              | 4            | 4            | 4        | -        | -        | -        | _ |
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| 1:    |               | _      | -        | -        | ╁  | ╁       | +            | +       | +        |          |          |            |       | 62       | ⊢        | H  |            | $\vdash$     | $\vdash$       | ᅱ        | $\dashv$ | +        | ᅱ        | ŀ        |       | 112        | $\dashv$ | +              | +            | Ť            | $\dashv$ | ┪        | +        | $\dashv$ | _ |
| 1     |               | _      |          | -        | ╁  | +       | +            | _       | +        | $\dashv$ |          |            |       | 63       | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$     | H              | -        | -+       | 7        | ᅥ        | - 1      |       | 113        | 十        | +              | +            | $\dashv$     | ┪        | _        | 一        | 十        | _ |
| 14    |               |        |          |          | ┢  | +       | †            | 十       | 寸        | $\neg$   | $\neg$   |            |       | 64       | T        |  | Г          |              |                | _        | ヿ        | $\neg$   | ┪        | ٦        |       | 114        |          | 7              | 1            | ┪            | $\Box$   |          | $\neg$   | ヿ        | Ī |
| 15    | 5             |        |          |          |    | T       | I            |         |          |          |          |            |       | 65       |          |  |            |              |                |          |          |          |          |          |       | 115        |          |                |              |              |          |          |          | $\Box$   | Ī |
| 16    |               |        |          | L        | 1_ | 1       | 1            | _       | _        | _        | _        |            |       | 66       | L.       |  | <u> </u>   |              | Щ              | _        | _        | _        | _        |          |       | 116        |          | _              | 4            | _            | 4        | _        | _        | 4        | _ |
| 17    |               |        | _        | -        | ╄  | ╀-      | 4            | 4       | 4        |          | $\dashv$ |            |       | 67       | ┡        | <u> </u>   | ļ          |              |                |          | 4        | $\dashv$ | 4        | -        |       | 117        | _        | -              | 4            | -            | 4        |          |          |          | Ь |
| 18    |               |        | <u> </u> | ┝        | ╀  | ╁       | ╀            |         | +        | $\dashv$ | $\dashv$ |            |       | 68<br>69 | ╀        | ⊢  | ┝          | _            | <del>   </del> | -        | -        | -        | $\dashv$ | -        |       | 118<br>119 | -        | -              | -            |              | -        |          |          | -        | _ |
| 20    |               | _      | -        | -        | ╀  | ╁       | ╫            | +       | $\dashv$ | $\dashv$ | $\dashv$ |            |       | 70       | -        | -  | -          | -            | Н              | $\dashv$ | $\dashv$ | ┪        | ᅱ        | ŀ        |       | 120        | +        | +              | ╅            | 十            | $\dashv$ | $\dashv$ | -        | ┪        | _ |
| 2     |               | -      |          | ┢        | 1- | ╁       | +            | +       | 7        | ᅱ        | ᅱ        |            |       | 71       | ╁        | $\vdash$   | ┢          | $\vdash$     | Н              | -        | $\dashv$ | 十        | $\dashv$ | ŀ        |       | 121        | $\dashv$ | +              | 寸            | ┪            | +        | ᅥ        | -        | 一        | _ |
| 2     |               | _      | _        | -        | T  | +       | T            | $\top$  | 7        | $\neg$   | ᅦ        |            |       | 72       |          | _  |            |              | Н              | ┪        |          | ┪        | $\dashv$ | ı        |       | 122        | $\dashv$ | $\top$         | +            | +            | 7        |          | $\dashv$ | 7        | _ |
| 23    | 3             |        |          |          | T  | $\top$  | T            | T       |          |          |          | li         |       | 73       |          |  |            |              |                |          |          |          |          |          |       | 123        |          |                | $\Box$       |              | T        |          |          | $\Box$   | _ |
| 24    | 4             | _      |          |          | L  | $\perp$ | I            | $\Box$  |          |          | $\Box$   |            |       | 74       |          |  |            |              |                |          |          | $\Box$   | $\Box$   |          |       | 124        |          |                |              |              |          |          |          | $\Box$   | _ |
| 2     |               | _      | L        | L        | L  | -       | 4            | 4       | 4        |          | _        |            |       | 75       | ╙        | _  | _          | _            |                | $\dashv$ | _        | 4        | _        | L        |       | 125        | _        | -              | 4            | 4            | 4        | _        | _        | 4        | - |
| 20    |               |        | ╙        | L        | ╄  | +       | +            | 4       | 4        | -        | ᅴ        |            |       | 76       | ├-       | ļ  | _          | <u> </u>     | Н              | $\dashv$ | $\dashv$ | -        | 4        | -        |       | 126        | _        | -              |              |              | -        |          |          | -        | _ |
| 2     |               | _      | -        | ⊢        | ╀  | +       | +            | +       | -        |          | $\dashv$ |            |       | 77<br>78 | ┢        | ⊢  | -          | ⊢            | Н              | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ŀ        |       | 127<br>128 |          | -              | $\dashv$     | -            | -        | $\dashv$ | -+       | $\dashv$ | _ |
| 29    | 위             | _      | -        | ┢        | ╁  | ╁       | ╁            | +       | -        | -        | ᅱ        |            |       | 79       | ├        | ┝  | -          | H            | Н              | -        | -        | -        |          | ŀ        |       | 129        | +        | +              | $\dashv$     | ┪            | +        | $\dashv$ | 寸        | $\dashv$ | _ |
| 30    | ŏ             |        | ┝        | -        | ╁╴ | +       | +            | 十       | +        | $\dashv$ | ᅥ        |            |       | 80       | ╁╌       | <del>                                     </del> | -          | -            |                | $\neg$   |          | -        | ⊣        | ŀ        |       | 130        | $\dashv$ | +              | +            | +            | +        | 一        | ᅥ        | 十        | _ |
| 3     |               | _      |          | ✝        | 1  | +       | +            | _       |          | _        | ╗        |            |       | 81       | ┢        | $t^-$  | _          | <u> </u>     |                |          |          | _        | _        | Ì        |       | 131        |          | $\top$         | 十            | 十            | ┪        |          |          | $\dashv$ | _ |
| 32    | 2             |        | Ī        |          |    | I       | T            | I       |          |          |          |            |       | 82       |          |  |            |              |                |          |          |          |          |          |       | 132        |          | 工              |              |              |          |          |          | $\Box$   | Ī |
| 3     |               |        | Ц        |          |    |         |              |         |          |          | $\Box$   |            |       | 83       |          |  | _          |              | Ш              |          |          | $\dashv$ |          |          |       | 133        |          |                | $\perp$      |              |          |          |          | $\Box$   | _ |
| 34    |               |        | <u> </u> | ⊢        | ╀  | ╀       | +            | 4       | 4        |          |          |            |       | 84       | 1        | <u> </u>   | L          | Щ            | $\square$      | _        | -        | -        | 4        | ŀ        |       | 134        | -        | +              | 4            | -            | 4        | _        | _        | $\dashv$ | - |
| 39    | <u> </u>      |        |          | ⊢        | ╀  | ╁       | ╬            | -       | -        | $\dashv$ | $\dashv$ |            |       | 85       | ├        | ⊢  | H          | ⊢            | Н              | $\dashv$ | -        | $\dashv$ | -        | ŀ        |       | 135<br>136 | -        | $\dashv$       | +            | -            | -        | $\dashv$ | $\dashv$ | $\dashv$ | _ |
| 3     |               | _      |          | ┢        | ╁  | ╁       | ╁            | ╅       | +        | $\dashv$ | ᅱ        |            |       | 87       | ╁╴       | ╁╴   | -          | ⊢            | Н              | $\dashv$ | ᅱ        | ┪        | $\dashv$ | H        |       | 137        | $\dashv$ | +              | ┿            | +            | ┪        | -        | $\dashv$ | $\dashv$ | _ |
| 3     |               | _      | _        | T        | T  | 十       | T            | 十       | 7        | _        | ᅱ        |            |       | 88       | t        | t  |            | ┢            | Н              | $\neg$   | $\neg$   | -+       | $\dashv$ | h        |       | 138        | $\dashv$ | ╅              | 十            | 十            | ┪        | ┪        | 7        | 寸        | _ |
| 39    |               |        |          | Г        | Τ  | 十       | +            | ┪       | ┪        | $\neg$   | ᅵ        |            |       | 89       |          | Г  | Г          |              | П              |          |          | _        |          | ١        |       | 139        |          | 1              | 7            | $\neg$       | 7        |          | ┪        | ヿ        | ī |
| 40    |               | _      |          |          |    |         | I            | I       |          |          |          |            |       | 90       |          |  |            |              |                |          |          |          |          |          |       | 140        |          |                | $\perp$      |              |          | $\Box$   |          |          |   |
| 4     |               |        | _        | L        | L  | Ţ       | 1            | $\perp$ | $\Box$   |          |          |            |       | 91       | L        | 匚  |            |              | Щ              |          |          | $\Box$   | $\Box$   |          |       | 141        | $\Box$   | $\bot$         | I            | $\bot$       | $\Box$   | $\Box$   | コ        | $\Box$   | _ |
| 4:    |               |        | _        | ┡        | ╀- | +       | +            | +       | 4        | _        | $\dashv$ |            |       | 92       | $\vdash$ | <u> </u>   | <b> </b> - | <u> </u>     | Ш              | _        |          | $\dashv$ | 4        | -        |       | 142        | 1        | 4              | 4            | 4            | _        | _        | _        | 4        | _ |
| 4:    |               |        | H        | ⊢        | +  | +       | +            | +       | $\dashv$ |          |          |            |       | 93       | ļ.       | -  | ⊢          | ├-           | $\vdash$       | $\dashv$ |          | -        |          | -        |       | 143<br>144 |          | +              | +            | 4            | -        |          |          |          | _ |
| 4:    |               | _      |          | ⊢        | ╁  | ╁       | ╫            | +       | $\dashv$ | $\dashv$ | _        |            |       | 95       | $\vdash$ | -  | -          | -            | $\vdash$       |          | -        | $\dashv$ | $\dashv$ | ŀ        |       | 144        | -        |                | +            | $\dashv$     | +        | -        | -        | $\dashv$ | _ |
| 4     |               |        | Н        | H        | ✝  | +       | +            | +       | $\dashv$ | $\dashv$ | $\dashv$ |            |       | 96       | $\vdash$ | $\vdash$   | ┢          | <del> </del> | Н              | $\dashv$ | -        | $\dashv$ | $\dashv$ | <b>-</b> |       | 146        | -        | $\dashv$       | +            | $\dashv$     | ┥        | ┥        | ┪        | $\dashv$ | _ |
| 4     |               |        |          | $\vdash$ | T  | 十       | 十            | $\top$  | 7        | $\neg$   |          |            |       | 97       | $\vdash$ | Т  |            | $\vdash$     | $\vdash$       | $\dashv$ |          | $\dashv$ | $\dashv$ | H        |       | 147        | +        | $\dashv$       | 7            | $\dashv$     | ┪        | 一        | $\dashv$ | $\dashv$ | _ |
| 48    | 8             |        |          |          |    |         | Ī            | 丁       |          |          |          |            |       | 98       |          |  |            |              |                | ╛        |          |          |          | ١        |       | 148        |          | _              | ⇉            | _†           | 7        | _        |          |          | _ |
| 49    |               | _      |          |          | L  | I       | I            | $\perp$ |          |          |          |            |       | 99       |          |  |            |              |                |          |          |          |          |          |       | 149        |          | I              |              |              |          |          |          | $\Box$   |   |
| 50    | οĺ            |        | 1        | 1        | 1  | 1       | Г            | T       | 1        |          |          |            |       | 100      | 1        | I  | I          | ı            |                | П        | T        | T        | 7        | Г        |       | 150        |          | Т              | T            | T            | $\neg$   |          |          | $\neg$   | _ |